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DERWENT-WEEK: 199954

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TITLE: Self contained power converter plant for use with
modular power supply

system such as cellular telephone power system

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PATENT-FAMILY:

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ABSTRACTED-PUB-NO: US 5969965A

BASIC-ABSTRACT: NOVELTY - A housing (110) accommodates
convertor (120), power
input connector (116) and convertor communications
connector (114). The
convertor is coupled to the DC input power bus and to the
communication bus via
the power input connector and convertor communication
connector, respectively.

DETAILED DESCRIPTION - The convertor control card (130)
contained in the
housing (110) is electrically coupled to the convertor
(120) and the convertor
communication connector (114). An INDEPENDENT CLAIM is
also included for
describing self contained power convertor manufacturing
method.

USE - For modular power supply system such on cellular
telephone power system.
Also for domestic applications.

ADVANTAGE - Form factor of the convertor plant housing is
substantially the
same as that of rectifier used in the power supply system.
As the system is
self-contained, the convertor plant is inserted simply into
the rectifier bay
and secondary loads connected to the power distribution

panel.

DESCRIPTION OF DRAWING(S) - The figure depicts isometric view of self contained convertor plant.

Housing 110

Convertor 120

Convertor communication connector 114

Power input connector 116

Convertor 120

Convertor control card 130

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Basic Abstract Text - ABTX:

ADVANTAGE - Form factor of the convertor plant housing is substantially the same as that of rectifier used in the power supply system. As the system is self-contained, the convertor plant is inserted simply into the rectifier bay and secondary loads connected to the power distribution panel.